Customer Number: 20277

UTILITY PATENT APPLICATION

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Sir:

Transmitted herewith for filing is the patent application of:

INVENTOR: Shinji TANAKA

FOR: SEMICONDUCTOR MEMORY DEVICE INPUTTING/OUTPUTTING DATA AND PARITY DATA IN BURST OPERATION

UNDER 37 CFR 1.53(b)

Enclosed are: 11 pages of specification, claims, abstract. Declaration and Power of Attorney. Priority Claimed. Certified copy of Japanese Patent Application No. 2003-037716(P) 7 sheets of formal drawing. An assignment of the invention to RENESAS TECHNOLOGY CORP. and the assignment recordation fee. An associate power of attorney. A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27. Information Disclosure Statement, Form PTO-1449 and reference. Return Receipt Postcard

The filing fee has been calculated as shown below:

| | NO. OF | | EXTRA | | |
|--|--------|--------|------------|-------------------|----------|
| | CLAIMS | 10.000 | CLAIMS | RATE | AMOUNT |
| Total Claims | 7 | -20 | 0 | \$18.00 | \$0.00 |
| Independent Claims | 2 | -3 | 0 | \$86.00 | \$0.00 |
| | | | Multiple D | ependent Claim(s) | \$0.00 |
| Basic Fee Total of Above Calculations | | | | \$770.00 | |
| | | | | \$770.00 | |
| Less ½ for Small Entity | | | | \$0.00 | |
| | | | Assignmen | t & Recording Fee | \$40.00 |
| | | | | Total Fee | \$810.00 |



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| \boxtimes | Any additional filing fees required under 37 CFR 1.16. |
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500417. A duplicate copy of this sheet is enclosed.

Any patent application processing fees under 37 CFR 1.17.

Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Respectfully submitted,

MCDERMOTT, WILL & EMERY

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Date: October 10, 2003